

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
RADIO STATION CONSTRUCTION PERMIT  
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WJ2XOA

(Call Sign)

0084-EX-CM-2020

(File Number)

NAME Continental Automotive Systems, Inc.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(j) of the Commission's Rules

Station Locations

- (1) MOBILE: Temporary Fixed Ground Operations Walnut Creek CA, within 0.8 km, centered around NL 37-53-50; WL 122-03-36
- (2) MOBILE: Temporary Fixed Ground Operations Auburn Hills MI, within 1.6 km, centered around NL 42-38-01; WL 83-13-23
- (3) MOBILE: Temporary Fixed Ground Operations Marysville OH, within 3 km, centered around NL 40-16-34; WL 83-32-05
- (4) MOBILE: Temporary Fixed Ground Operations Marysville OH, within 3 km, centered around NL 40-16-40; WL 83-31-52
- (5) MOBILE: Temporary Fixed Ground Operations Auburn Hills MI, within 0.8 km, centered around NL 42-41-56; WL 83-16-40
- (6) MOBILE: Temporary Fixed Ground Operations Superior Twp, within 3 km, centered around NL 46-22-11; WL 84-34-37
- (7) MOBILE: Temporary Fixed Ground Operations Auburn Hills MI, within 3 km, centered around NL 42-42-12; WL 83-16-54
- (8) MOBILE: Temporary Fixed Ground Operations Auburn Hills MI, within 1.6 km, centered around NL 42-38-00; WL 83-13-14

This authorization effective May 01, 2020 and  
will expire 3:00 A.M. EST July 01, 2020

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Temporary Fixed Ground Operations Walnut Creek CA, within 0.8 km, centered around NL 37-53-50; WL 122-03-36

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 76-77 GHz | MO            | 500MV8N             | 4 W (ERP)        | 0.01 %                    |

MOBILE: Temporary Fixed Ground Operations Auburn Hills MI, within 1.6 km, centered around NL 42-38-01; WL 83-13-23

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 76-77 GHz | MO            | 500MV8N             | 4 W (ERP)        | 0.01 %                    |

MOBILE: Temporary Fixed Ground Operations Marysville OH, within 3 km, centered around NL 40-16-34; WL 83-32-05

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 76-77 GHz | MO            | 500MV8N             | 4 W (ERP)        | 0.01 %                    |

MOBILE: Temporary Fixed Ground Operations Marysville OH, within 3 km, centered around NL 40-16-40; WL 83-31-52

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 76-77 GHz | MO            | 500MV8N             | 4 W (ERP)        | 0.01 %                    |

## Frequency Information

MOBILE: Temporary Fixed Ground Operations Auburn Hills MI, within 0.8 km, centered around NL 42-41-56; WL 83-16-40

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 76-77 GHz | MO            | 500MV8N             | 4 W (ERP)        | 0.01 %                    |

MOBILE: Temporary Fixed Ground Operations Superior Twp, within 3 km, centered around NL 46-22-11; WL 84-34-37

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 76-77 GHz | MO            | 500MV8N             | 4 W (ERP)        | 0.01 %                    |

MOBILE: Temporary Fixed Ground Operations Auburn Hills MI, within 3 km, centered around NL 42-42-12; WL 83-16-54

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 76-77 GHz | MO            | 500MV8N             | 4 W (ERP)        | 0.01 %                    |

MOBILE: Temporary Fixed Ground Operations Auburn Hills MI, within 1.6 km, centered around NL 42-38-00; WL 83-13-14

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 76-77 GHz | MO            | 500MV8N             | 4 W (ERP)        | 0.01 %                    |

## Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

**Special Conditions:**

- (4) Stop Buzzer information to specify the following:

Primary: Vivian Swan - 248-393-8769

Secondary: Ganesh Adireddy - 248-393-5286

- (5) All of the experimental devices will be under control of Continental Automotive Systems, Inc. and they will be retrieved by Continental Automotive Systems, Inc. from the participants upon completion of the experiment.
- (6) This authorization SUPERSEDES the previously issued authorization with the same call sign and file number: Geographical Coordinates Update